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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Lyle V. Lehman
Title	Vibrating System and....
Art Unit	
Examiner Name	
Attorney Docket Number	HES 2000-IP-001210U1

I hereby appoint:

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Practitioners at Customer Number

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I am the:

☐

Applicant/Inventor.

☒Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name	John W. Wustenberg
Signature	<i>John W. Wustenberg</i>
Date	4 AUG 03
Telephone	580-251-3782

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<b>DECLARATION</b>		<b>REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)</b>	
<b>Name</b>	<b>Registration Number</b>	<b>Name</b>	<b>Registration Number</b>
Halliburton Energy Services, Inc. Practitioners		Haynes & Boone Practitioners	
William E. Shull	29,438	Jeffrey M. Becker	35,442
Michael D. McCully	29,566	James R. Bell	26,528
Mark A. Smith	30,220	Timothy Bliss	50,925
William M. Imwalle	35,904	Randall C. Brown	31,213
Paul I. Herman	37,349	L. Howard Chen	46,615
Robert A. Kent	28,626	Randall E. Colson	40,566
Craig W. Roddy	36,256	Michael A. Davis, Jr.	35,488
John W. Wustenberg	35,415	Ruben C. DeLeon	37,812
Scott F. Wendorf	48,029	Andrew S. Ehmke	50,271
		Brian J. Hubbard	45,873
		Rita M. Irani	31,028
		Mark P. Kahler	29,178
		Warren B. Kice	22,732
		Christopher P. Kosh	42,760
		Michael Balconi-Lamica	34,291
		J. Andrew Lowes	40,706

**Caution Hour Statement:** This form is estimated to take 8.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Declaration — Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)(1-1.4)

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

Approved for use through 9/30/98. OMB 0851-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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## DECLARATION

## REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
		Haynes & Boone Practitioners	
		Todd D. Mattingly	40,298
		David L. McCombs	32,271
		John Montgomery	31,124
		Bill R. Naifeh	44,962
		David M. O'Dell	42,044

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Declaration — Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)(1-1.4)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number      HES 2000-IP-001210U1

First Named Inventor      Lyle V. Lehman

**COMPLETE IF KNOWN**

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Vibrating System and Method for Use In Scale Removal and Formation Stimulation In Oil and Gas Recovery Operations

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)  as United States Application Number or PCT InternationalApplication Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

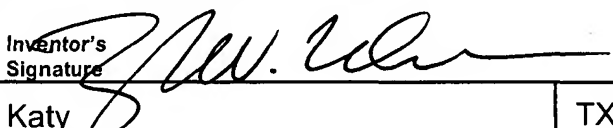
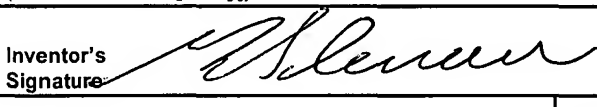
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label		29920		OR <input type="checkbox"/>		Correspondence address below	
Name									
Address									
City				State			ZIP		
Country			Telephone				Fax		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.									
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name Lyle V. (first and middle [if any])					Family Name Lehman or Surname				
Inventor's Signature 							Date 7/23/03		
Katy Residence: City			TX State		U.S. Country		U.S. Citizenship		
Mailing Address 23722 Shadow Creek Court									
Katy City			TX State		77494 ZIP		U.S. Country		
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name Mohamed Y. (first and middle [if any])					Family Name Soliman or Surname				
Inventor's Signature 							Date 8/11/03		
Plano Residence: City			TX State		U.S. Country		U.S. Citizenship		
Mailing Address 3617 South Echo Trail									
Plano City			TX State		75023 ZIP		U.S. Country		
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.									

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**DECLARATION****ADDITIONAL INVENTOR(S)****Supplemental Sheet**Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
John R. Given Name		Podowski Family Name or Surname	
Inventor's Signature <i>John R. Podowski</i>		Date <i>7/25/03</i>	
Magnolia Residence: City	TX State	U.S. Country	U.S. Citizenship
37713 Tournament Lane Mailing Address			
Mailing Address			
Magnolia City	TX State	77355 ZIP	U.S. Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

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